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APPLICATION NO.	O. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/615,915 07/10/2003		7/10/2003	Yohei Yamazawa	227430US26 9540		
22850	7590	07/22/2005		EXAMINER		
OBLON, S	•	ICCLELLAND, 1	DHINGRA, RAKESH KUMAR			
ALEXANDRIA, VA 22314				ART UNIT	PAPER NUMBER	
•	,			1763		

DATE MAILED: 07/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application	n No.	Applicant(s)					
•		10/615,91	5	YAMAZAWA ET AL.					
	Office Action Summary	Examiner	<u></u>	Art Unit					
		Rakesh K.		1763					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply									
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>01</u> MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).									
Status		•							
1)⊠	Responsive to communication(s) filed of	on <u>10 July 2003</u> .							
2a) <u></u> □	This action is FINAL . 2b)	☑ This action is n	on-final.						
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Disposition of Claims									
5)	Claim(s) 1-40 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to. Claim(s) 1-40 are subject to restriction and/or election requirement.								
Applicați	on Papers								
10)	The specification is objected to by the E The drawing(s) filed on is/are: a) Applicant may not request that any objection Replacement drawing sheet(s) including the The oath or declaration is objected to by	□ accepted or b) n to the drawing(s) b e correction is require	e held in abeyance. See ed if the drawing(s) is obj	e 37 CFR 1.85(a). lected to. See 37 CF					
Priority u	ınder 35 U.S.C. § 119								
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.									
Attachmen	t(s)			,					
1) Notice of References Cited (RTO-892) 4) Interview Summary (PTO-413)									
3) Inform	e of Draftsperson's Patent Drawing Review (PTO- mation Disclosure Statement(s) (PTO-1449 or PTO r No(s)/Mail Date		Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:		-152)				

U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04)



Application/Control Number: 10/615,915

Art Unit: 1763

DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claim 1-33, drawn to apparatus, classified in class 118, subclass
 723E.
- II. Claim 34-40, drawn to process, classified in class 438, subclass 9. The inventions are distinct, each from the other because of the following reasons: Inventions II and I are related as process and apparatus for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case the apparatus as claimed can be used without adjusting the preset value with a calibration data.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group II, restriction for examination purposes as indicated is proper.

Further, this application contains claims directed to the following patentably distinct species of the claimed invention:

Application/Control Number: 10/615,915

Art Unit: 1763

Species1: Plasma Apparatus (Figures 1, 14) including two RF sources with impedance matching networks, connected to the two electrodes and an impedance setting section connected to lower or upper electrode.

Species 2: Plasma Apparatus (Figures 13) including one RF source with impedance matching network and an impedance setting section connected to one electrode, and another RF source with variable frequency connected to the other electrode.

Species 3: Plasma Apparatus (Figures 17) including one RF source with impedance matching network connected to one electrode, and impedance setting section with controller connected to the other electrode.

Species 4: Plasma Apparatus (Figures 18, 30) including two RF sources with a impedance matching networks and a resonant impedance setting section connected to one electrode for coupling with the plasma generated harmonics, and other electrode connected to a RF source with an impedance matching network.

The special technical features of species 1 through 4 are mutually exclusive.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claim appears to be fully generic to all species. Claim 21 appears to read on species 1

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim

Application/Control Number: 10/615,915

Art Unit: 1763

is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

A telephone call was made to Oblon, Spivak, McClelland on 7/19/05 to request an oral election to the above restriction requirement, but did not result in an election being made.

Application/Control Number: 10/615,915 Page 5

Art Unit: 1763

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rakesh K. Dhingra whose telephone number is (571)-272-5959. The examiner can normally be reached on 8:30 -6:00 (Monday - Friday).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Parviz Hassanzadeh can be reached on (571)-272-1435. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Rakesh K Dhingra

Parviz Hassanzadeh Supervisory Patent Examiner Art Unit 1763